

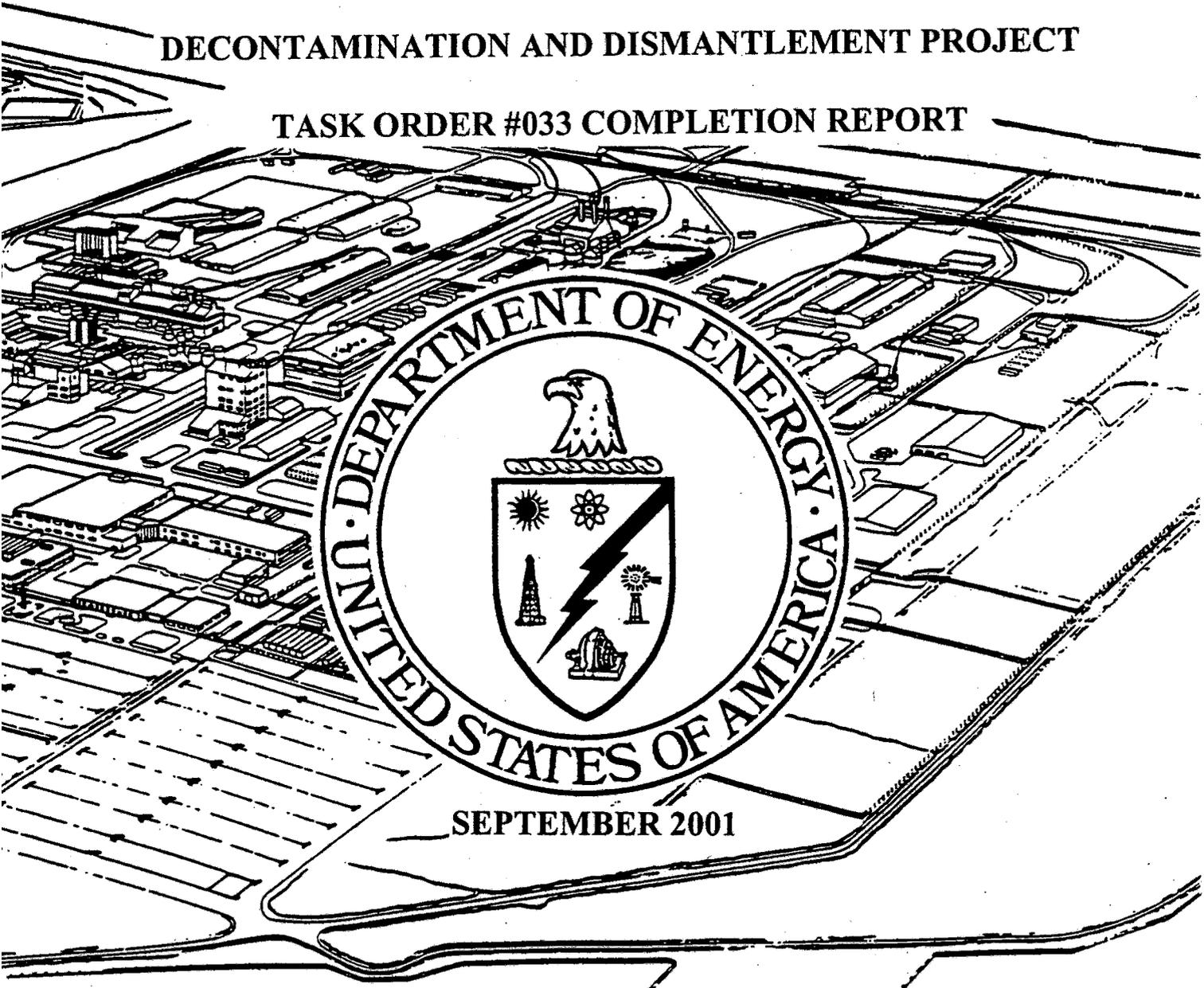
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OPERABLE UNIT 3

MISCELLANEOUS SMALL STRUCTURES

DECONTAMINATION AND DISMANTLEMENT PROJECT

TASK ORDER #033 COMPLETION REPORT



SEPTEMBER 2001

FERNALD ENVIRONMENTAL MANAGEMENT PROJECT
FERNALD, OHIO

U.S. DEPARTMENT OF ENERGY
FERNALD AREA OFFICE

DOCUMENT CONTROL NO. 1751-RP-0006 (REV.0)

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1.0 INTRODUCTION

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Task Order #033 was implemented under the authority of the Miscellaneous Small Structures (MSS) Implementation Plan for Above-Grade Decontamination and Dismantlement (D&D) (DOE 1998) and the Task Order implementation schedule provided to the regulatory agencies on June 26, 2001. Task Order #033 included D&D of the following component:

- Building 62 – Quonset Hut #3

Remediation of Building 62 was performed successfully and in accordance with approved project planning and design requirements. This Task Order Completion Report summarizes remediation activities for Building 62 performed during the summer of 2001. A final Project Completion Report for the MSS Project will include summaries of this Task Order and other Task Orders implemented under the MSS Project following completion of the overall MSS Project.

2.0 COMPONENT-SPECIFIC REMEDIATION SUMMARY

Preparatory actions to Building 62, facility shutdown, utility disconnections and isolation were performed. Preparatory actions are summarized in the MSS Implementation Plan.

A chronology of the D&D field activities under Task Order #033 is provided in Table 2-1.

TABLE 2-1 Task Order #033 D&D Chronology

Component	Field Initiation	Field Completion
Quonset Hut #3 (62)	7/23/01	8/22/01

2.1 Building 62 – Quonset Hut #3

Quonset Hut #3 was located at the far north end of the radiologically controlled area west of "B" Street. Quonset Hut #3 was a pre-engineered, single story facility consisting of a structural steel frame on a reinforced concrete base, with reinforced concrete floor, sloped steel roof panels, steel siding panels and glass windows (Type C building measuring 41 x 120 x 20 feet high).

Asbestos fiber insulation was discovered around the two doors and along the corrugated metal sidewalls where they joined the end wall metal framing. The asbestos fiber insulation was abated in accordance with the Project Work Scope Condition/Specification for asbestos removal, which is consistent with Site Procedure CT-4.2.1, "Asbestos Abatement" and the MSS Implementation Plan. Industrial Hygiene classified the asbestos fiber insulation as a non-friable and non-regulated material. The asbestos fiber insulation was bagged and placed in a roll-off box for final disposition in the OSDF.

Asbestos fibers were discovered in the paint used on the window jams. As a result, the window frames were abated in accordance with the Project Work Scope Condition/Specification for asbestos removal, which is consistent with Site Procedure CT-4.2.1, "Asbestos Abatement" and the MSS Implementation Plan. Industrial Hygiene

classified the asbestos fibers as a non-friable and non-regulated material. The window frames were taped down and placed in a roll-off box for final disposition in the OSDF.

There were no equipment/systems dismantlement activities.

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The building structure was dismantled using a hydraulic shear. Dismantlement began at the east end of the building and proceeded to the west. The structural and miscellaneous steel was size reduced and the debris was placed in roll-off boxes for final disposition in the OSDF.

3.0 MATERIAL MANAGEMENT

A summary of debris/waste generation from Quonset Hut #3 remediated under Task Order #033 is summarized in Table 3-1.

TABLE 3-1 Summary of Debris/Waste Generated

Debris Category & Description	Profile/ Inventory Nos.	Volume (yd ³)	Container ^(a) / Quantity	Current Storage Location	Final Disposition
Cat. A/B/D/E (Metals, Incidental Concrete)	92101	30	ROB (1)	Placed in OSDF or at North Stockpile for Future OSDF Placement	OSDF
Cat. D (Light Gage Metal)	922852	60	ROB (2)	Placed in OSDF or at North Stockpile for Future OSDF Placement	OSDF

Footnote:
 (a) ROB: Roll-off Box.

4.0 LESSONS LEARNED

Implementation of Task Order #033 revealed one lessons-learned for D&D Project Management. The following identifies the item that will be considered prior to implementing the next Task Order under the MSS Project, while also providing potential process improvements for larger scale D&D projects at the FEMP:

- Initially, no asbestos containing materials were expected to be encountered on this project. During the pre-demolition walkdown, Industrial Hygiene examined all known material that could be suspect for asbestos containing materials. Fiber insulation was found to exist around the two doors and along the corrugated metal sidewalls where they joined the end wall metal framing. Also, the window jams were coated with paint that appeared to contain a fiber material. Sampling was done and indicated there was non-friable asbestos present in the fiber insulation and paint.

The following list identifies items that were considered prior to implementing this Task Order under the MSS Project as a result of previous D&D Lessons Learned issues:

- The D&D Team was comprised of representatives from all functional areas and support organizations.
- A project schedule was developed and integrated with logic ties to between functional area activities.
- Action items for all functional areas and support organizations were developed. Each action item was assigned to the responsible team member with a due date and tied to the corresponding project schedule activity.
- Team meetings were held weekly to status the project schedule, status action items, and discuss issues. Breakout sessions were held immediately after the team meetings to resolve issues on a real time basis.
- A Fluor Fernald, Inc. Public Affairs Representative was a project team member responsible for ensuring various communications were published on a weekly basis to keep the stakeholders briefed on the project activities and impacts to the site.

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5.0 REFERENCES

U.S. Department of Energy, 1998, *Operable Unit 3 Integrated Remedial Action Miscellaneous Small Structures Implementation Plan for Above-Grade Decontamination and Dismantlement*, Final, prepared by Fluor Daniel Fernald, Cincinnati, Ohio.

Fluor Fernald Site Procedure CT- 4.2.1 titled "*Asbestos Abatement*".